LAR-IAC for Planning

Nick Franchino, GIS Manager

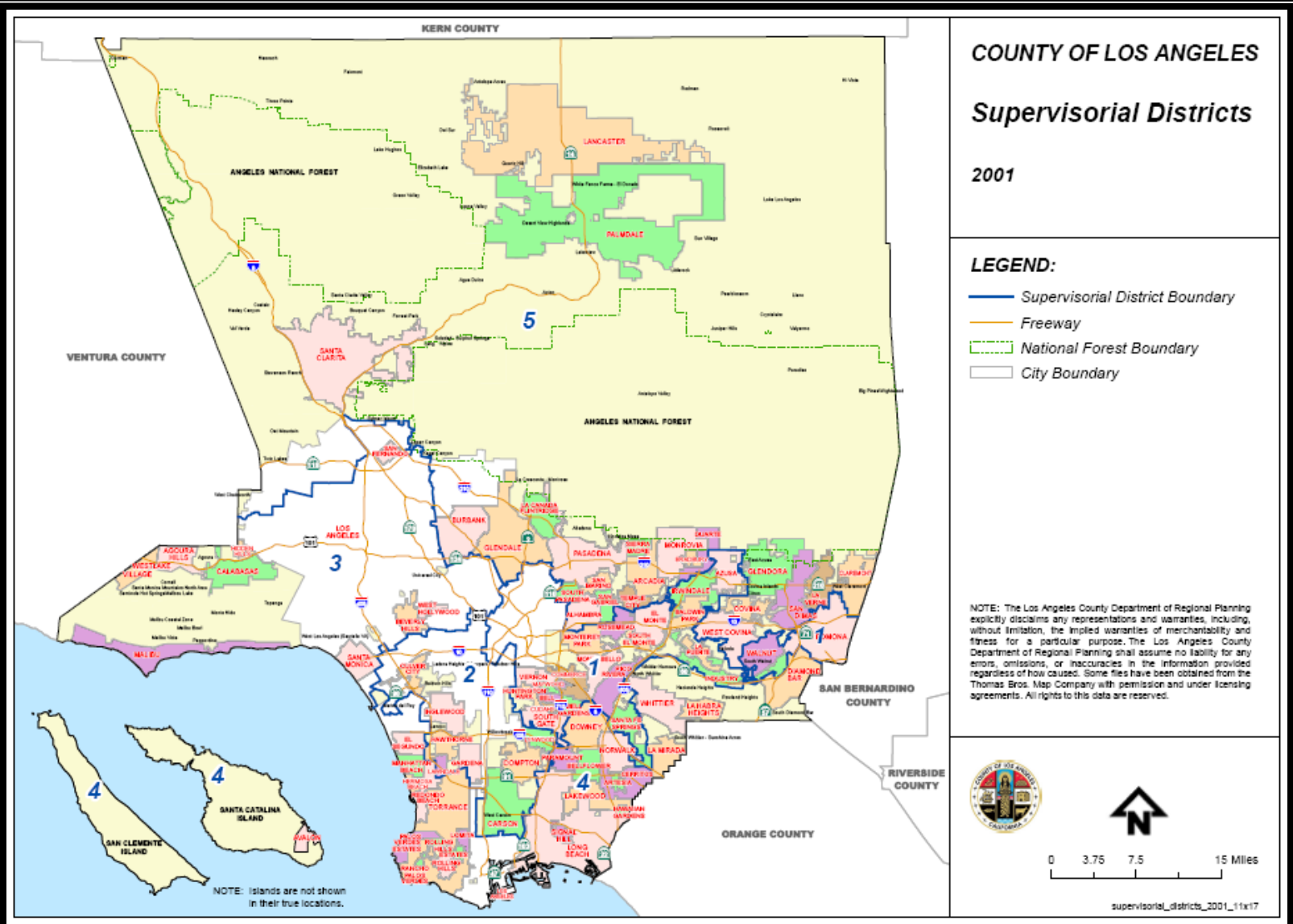
Los Angeles County Dept. of Regional Planning

September 12, 2013

Department History

- Planning department for the unincorporated areas of Los Angeles County
- Staff to the Los Angeles County Regional Planning Commission since 1922 (oldest County planning body in the United States)
- Became an independent department in 1974
- Approximately 120 Planners (171 total dept staff)
- GIS – 7 full time staff, one aid, one unpaid intern and 2 volunteers

Unincorporated Area – In Yellow



Role of GIS in Planning

- GIS is vital as a decision support tool
- GIS provides for more in-depth analysis
- GIS allows for increased public participation
- GIS fosters a greater spatial awareness of our communities and environment

Imagery and the digital terrain datasets help with all of these things!

How We Use the Data

Advance Planning (long range)

Current Planning (cases and permitting)

Code Enforcement (inspections)

Support – Map creation, web sites, etc.

We started using in 1998

For Maps

LOS ANGELES COUNTY

SENSITIVE LAND USES NEAR MEDICAL MARIJUANA DISPENSARY
15640 LEFFINGWELL ROAD
APN: 8040-019-011

SOUTH WHITTIER - SUNSHINE ACRES

LEGEND

- MEDICAL MARIJUANA DISPENSARY
- PARCELS
- PARCELS WITH SENSITIVE LAND USES
- CITY / UNINCORPORATED BOUNDARY

AERIAL IMAGERY (2008): LOS ANGELES REGION IMAGERY ACQUISITION CONSORTIUM (LAR-IAC)

DETAILS REGARDING AFFECTED PARCELS:

GRAM CRACKER DAYCARE
15745 WILMAGLEN DRIVE
APN: 8039-001-050

MCDONALD'S RESTAURANT & PLAY PLACE
15710 LEFFINGWELL ROAD
APN: 8040-019-025

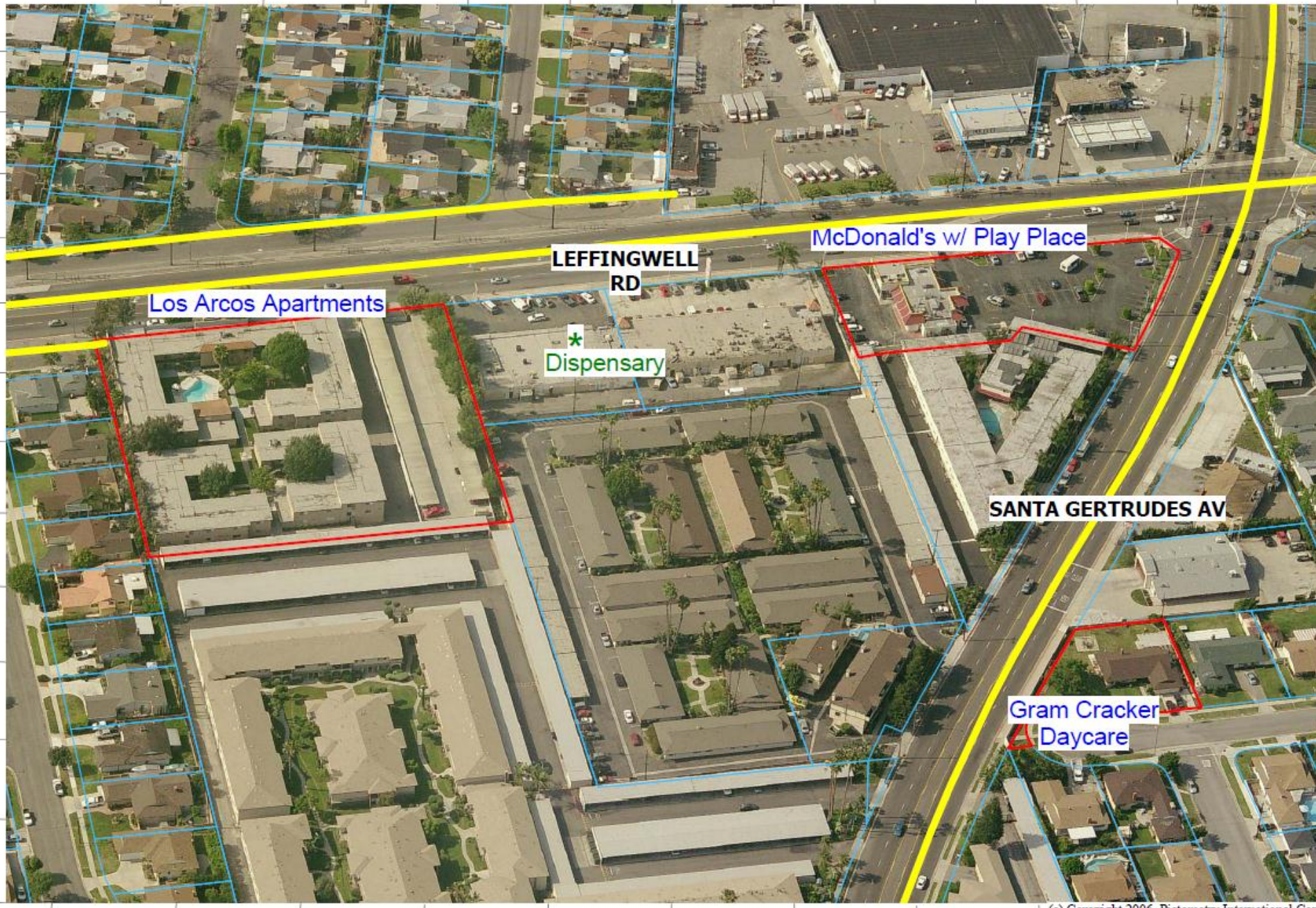
NOTE: DISTANCES SHOWN ON THE MAP ARE APPROXIMATE.

LOS ANGELES COUNTY
Department of Regional Planning
320 W. Temple St.
Los Angeles, CA 90012

0 100 200 300
FEET

Map prepared by DRP GIS Section / November 2009
Printed: _____

CALOSA064057NeighObliq48N_060510.psi



(c) Copyright 2006, Pictometry International Cor

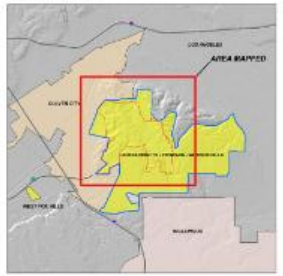
Los Angeles County

BALDWIN HILLS CSD

LEGEND:

- Streets
- Baldwin Hills CSD
- Incorporated Area
- Kenneth Hahn State Recreation Area
- Parcels
- Unincorporated Area

VICINITY MAP:



COUNTY OF LOS ANGELES

AERIAL IMAGERY EXHIBIT:

4769 WEST AVENUE L-14
LANCASTER, CA 93536*
APN 3103-008-021

PROPERTY OWNER:
SEYMOUR, BRUCE G.

* UNINCORPORATED ANTELOPE VALLEY, QUARTZ HILL AREA

LOS ANGELES COUNTY

PROJECT AREA SLOPE

APNs: 4438005022 & 4438004012

LEGEND

- LARIAC Contour (10 foot interval)
- Parcel
- Project Area Boundary

SLOPE

- 0 - 24.99%
- 25% - 49.99%
- 50% and above

IMAGERY COURTESY OF THE LOS ANGELES COUNTY ASSESSOR - FEBRUARY 2012

IMAGERY AND CONTOURS COURTESY OF THE LARIAC PROJECT (2006) AND LARIAC4 PROJECT (2008)

PREPARED BY GIS-NET SECTION - MAY 2012

MAPPED AREA

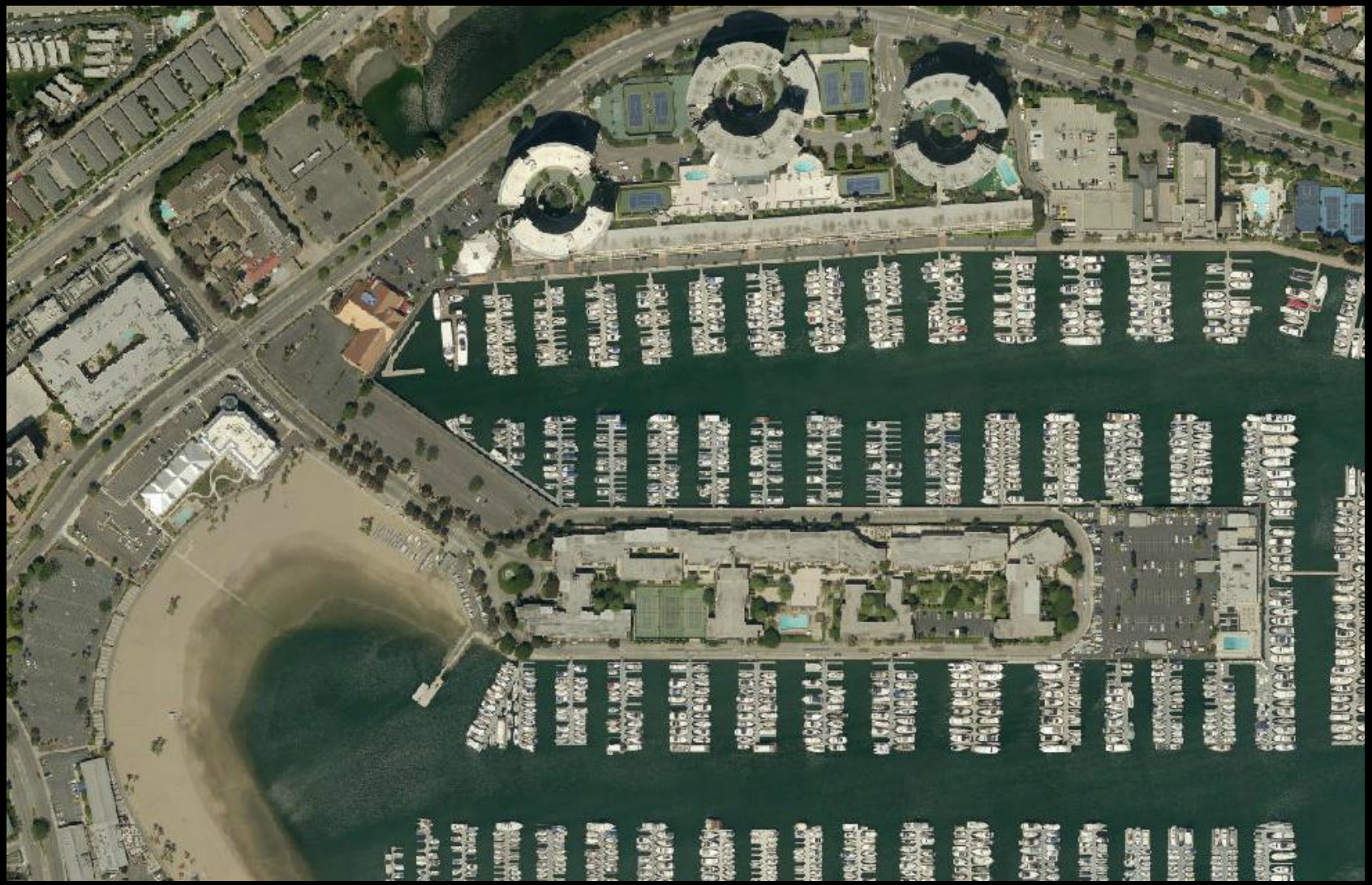
N

Feet

0 50 100 150 200 250

LOS ANGELES COUNTY
Department of Regional Planning
320 W. Temple St.
Los Angeles, CA 90012

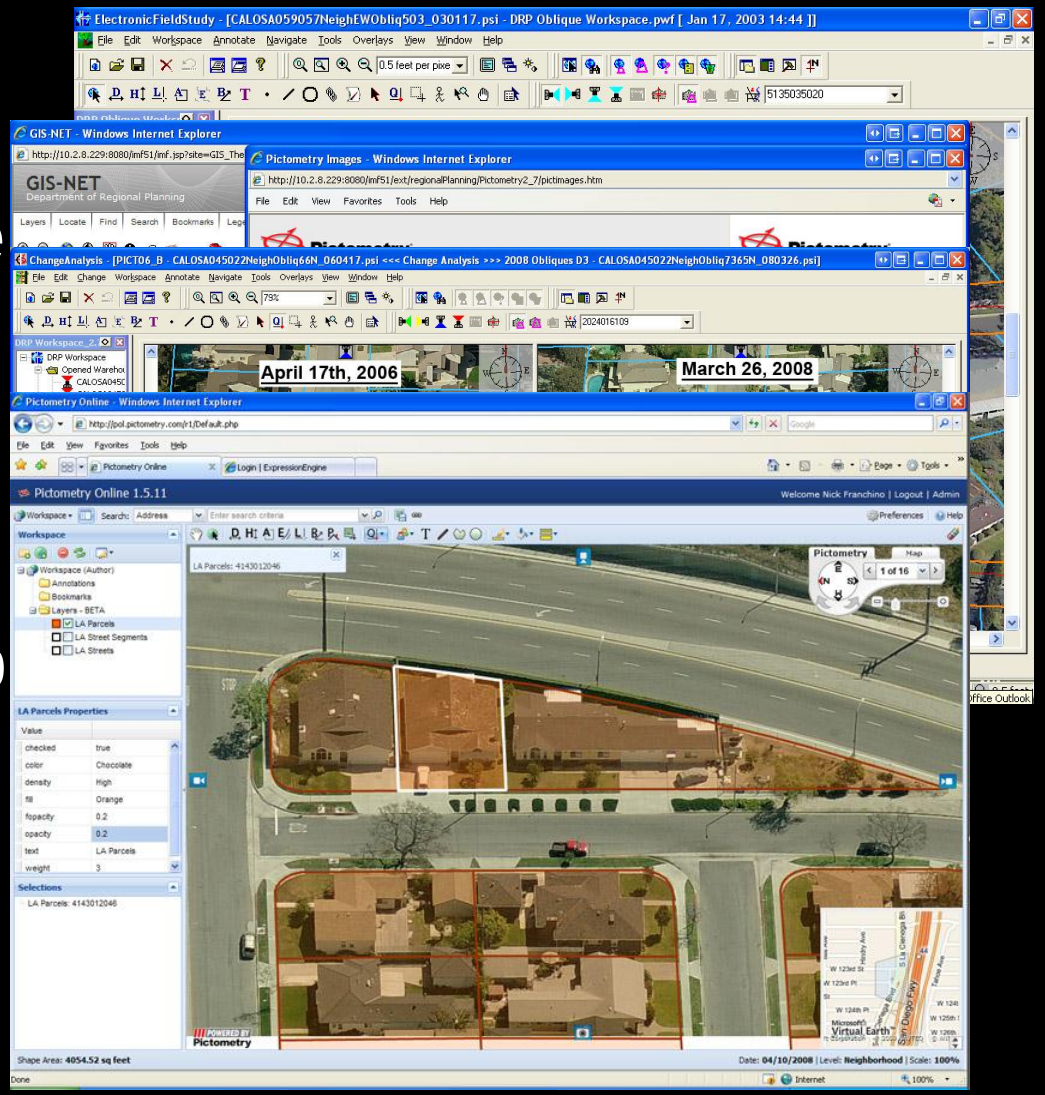
Raw Imagery (ortho)



Raw Imagery (oblique)

Oblique Imagery Viewers

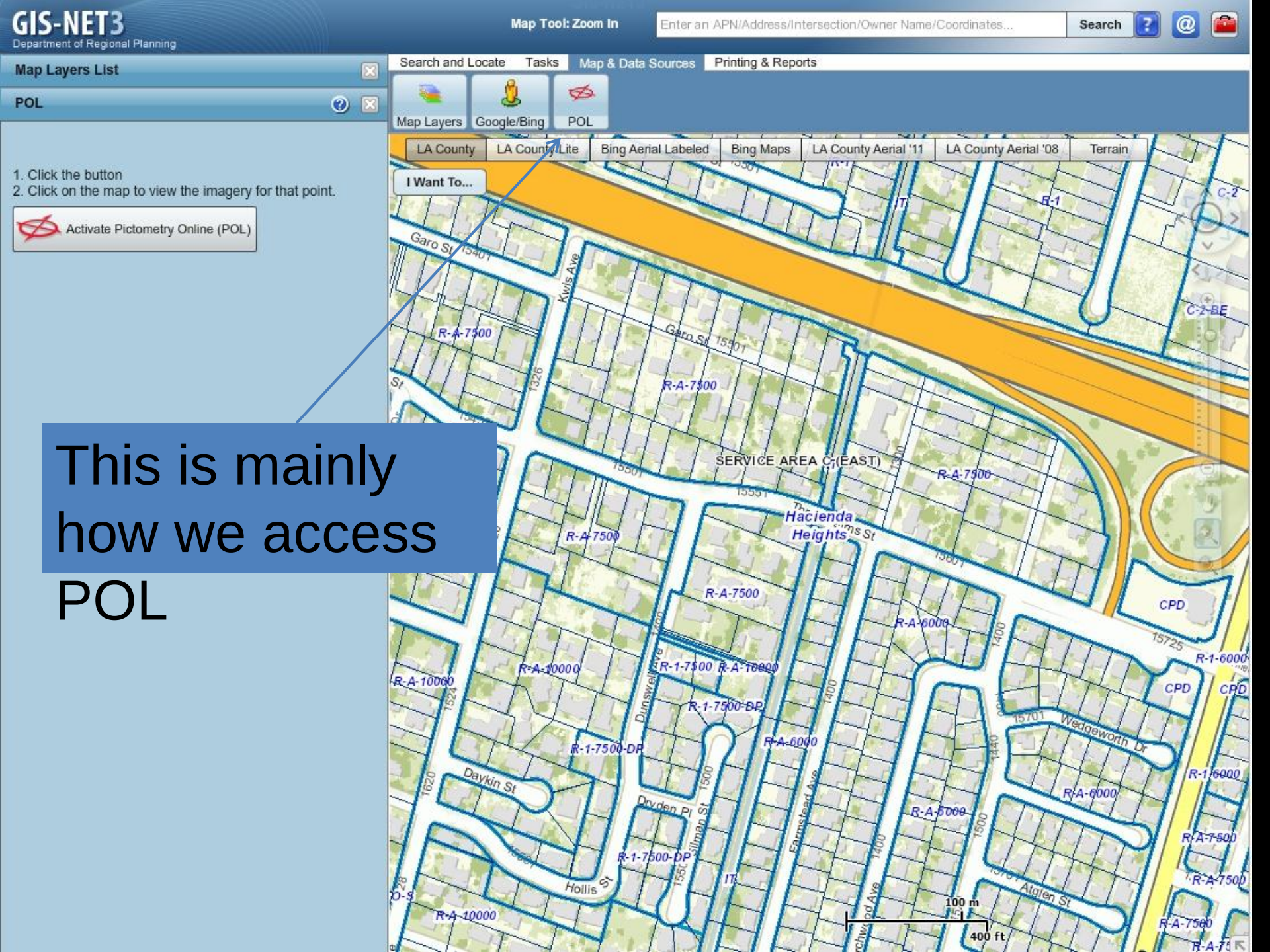
- Drape GIS Layers
- Show Ortho/Oblique Simultaneously
- Compare Imagery from Different Years
- Interact Via the Web

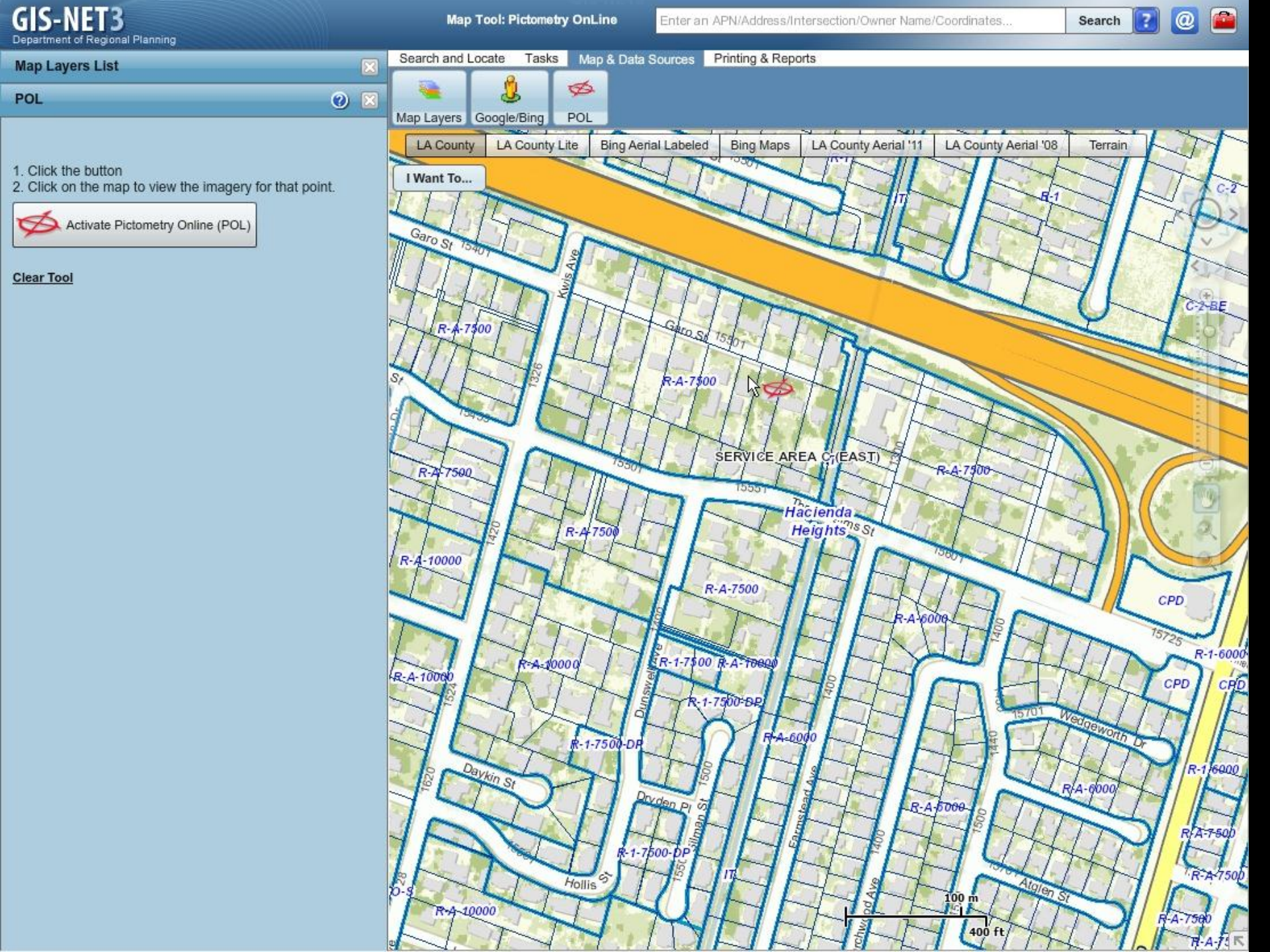


Pictometry Online

- Can’t say enough about it
- Used every single day
- We have named users and generic users (that access through our mapping applications)
- 4 sets of oblique imagery available with our GIS layers

  2002-03, 2006, 2008 and 2011


GIS-NET3
Department of Regional Planning
Map Tool: Zoom In
Enter an APN/Address/Intersection/Owner Name/Coordinates...
Search
Map Layers List
POL
1. Click the button
2. Click on the map to view the imagery for that point.
Activate Pictometry Online (POL)
Search and Locate
Tasks
Map & Data Sources
Printing & Reports
Map Layers
Google/Bing
POL
LA County
LA County Lite
Bing Aerial Labeled
Bing Maps
LA County Aerial '11
LA County Aerial '08
Terrain
I Want To...
This is mainly how we access POL
SERVICE AREA C (EAST)
Hacienda Heights
Garo St
Kwis Ave
Dunsweller Ave
Daykin St
Dryden Pl
Hollis St
Farmstead Ave
Wedgeworth Dr
Atglen St
R-A-7500
R-A-10000
R-A-6000
R-1-7500
R-1-7500-DP
R-1-6000
C-2
C-2-BE
R-1
CPD
100 m
400 ft


GIS-NET3
Department of Regional Planning
Map Tool: Pictometry OnLine
Enter an APN/Address/Intersection/Owner Name/Coordinates...
Search
Map Layers List
POL
1. Click the button
2. Click on the map to view the imagery for that point.
Activate Pictometry Online (POL)
Clear Tool
Search and Locate
Tasks
Map & Data Sources
Printing & Reports
Map Layers
Google/Bing
POL
LA County
LA County Lite
Bing Aerial Labeled
Bing Maps
LA County Aerial '11
LA County Aerial '08
Terrain
I Want To...
SERVICE AREA C (EAST)
Hacienda Heights
Garo St
Kwis Ave
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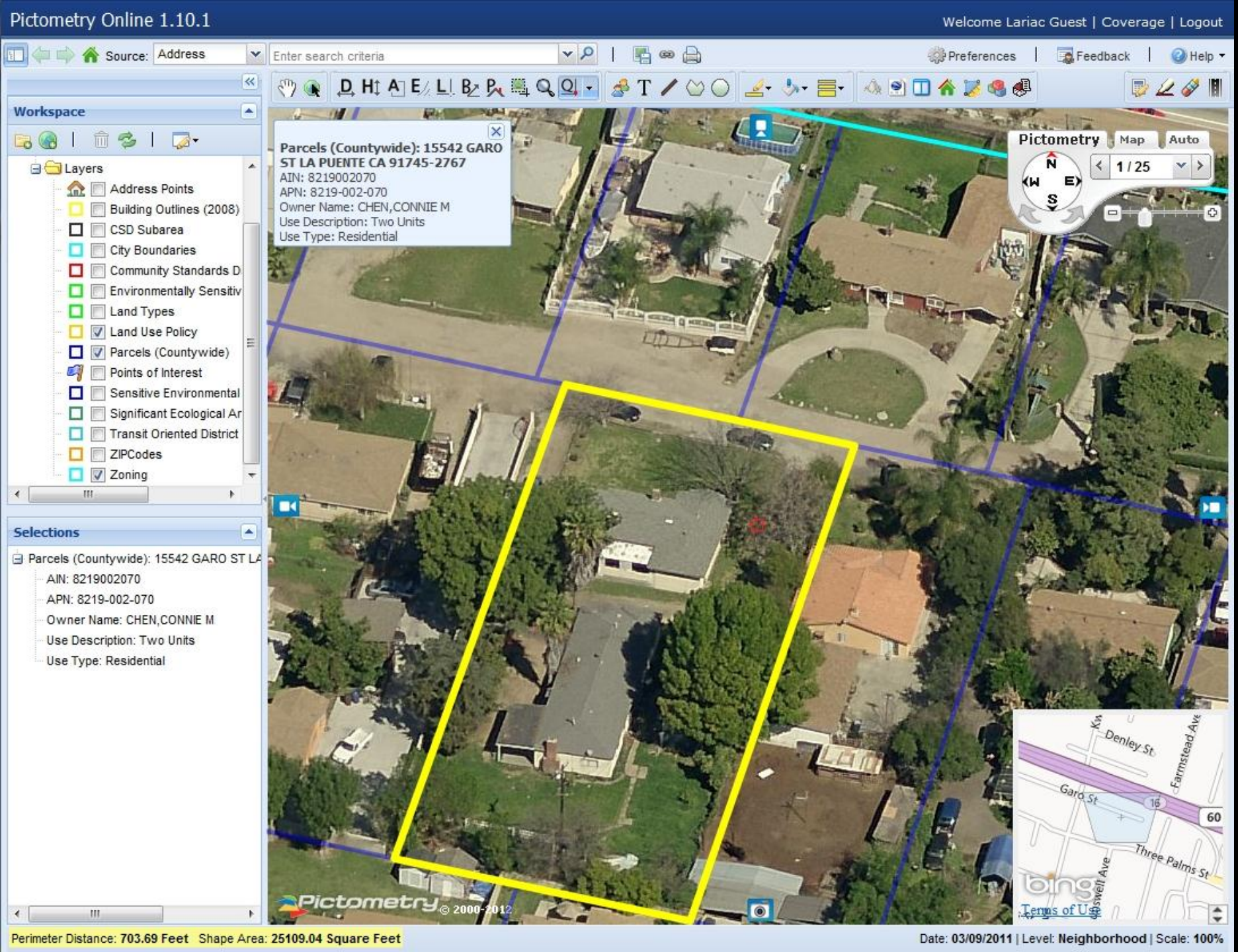
Atglen St
R-A-7500
R-A-10000
R-1-7500
R-1-7500-DP
R-A-6000
R-1-6000
CPD
C-2
C-2-BE
100 m
400 ft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Welcome Lariac Guest | Coverage | Logout
Source: Address
Enter search criteria
Preferences | Feedback | Help
Workspace
Layers
Address Points
Building Outlines (2008)
CSD Subarea
City Boundaries
Community Standards D
Environmentally Sensitiv
Land Types
Land Use Policy
Parcels (Countywide)
Points of Interest
Sensitive Environmental
Significant Ecological Ar
Transit Oriented District
ZIPCodes
Zoning
Selections
Parcels (Countywide): 15542 GARO ST LA
AIN: 8219002070
APN: 8219-002-070
Owner Name: CHEN,CONNIE M
Use Description: Two Units
Use Type: Residential
Parcels (Countywide): 15542 GARO ST LA PUENTE CA 91745-2767
AIN: 8219002070
APN: 8219-002-070
Owner Name: CHEN,CONNIE M
Use Description: Two Units
Use Type: Residential
Pictometry
Map
Auto
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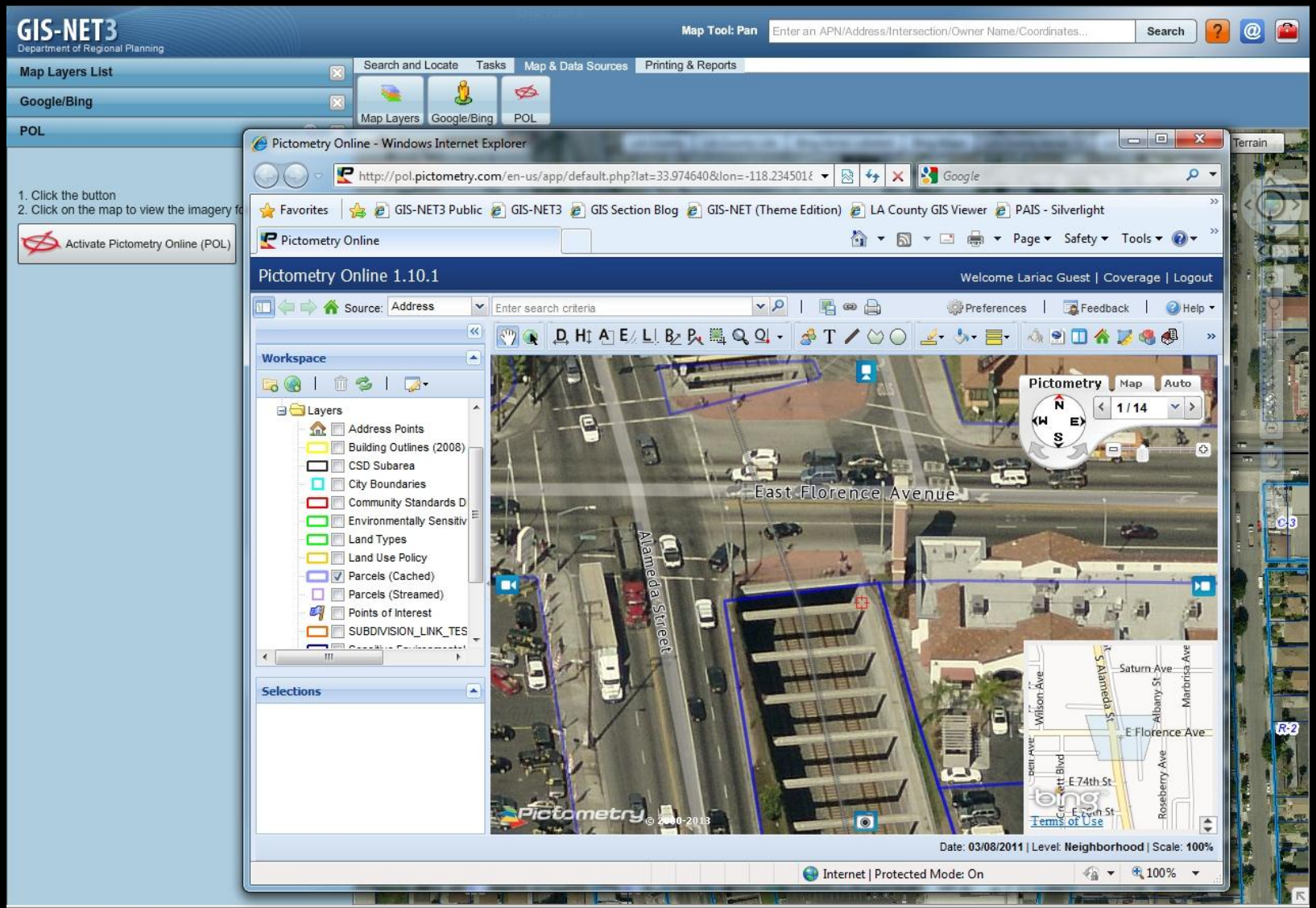
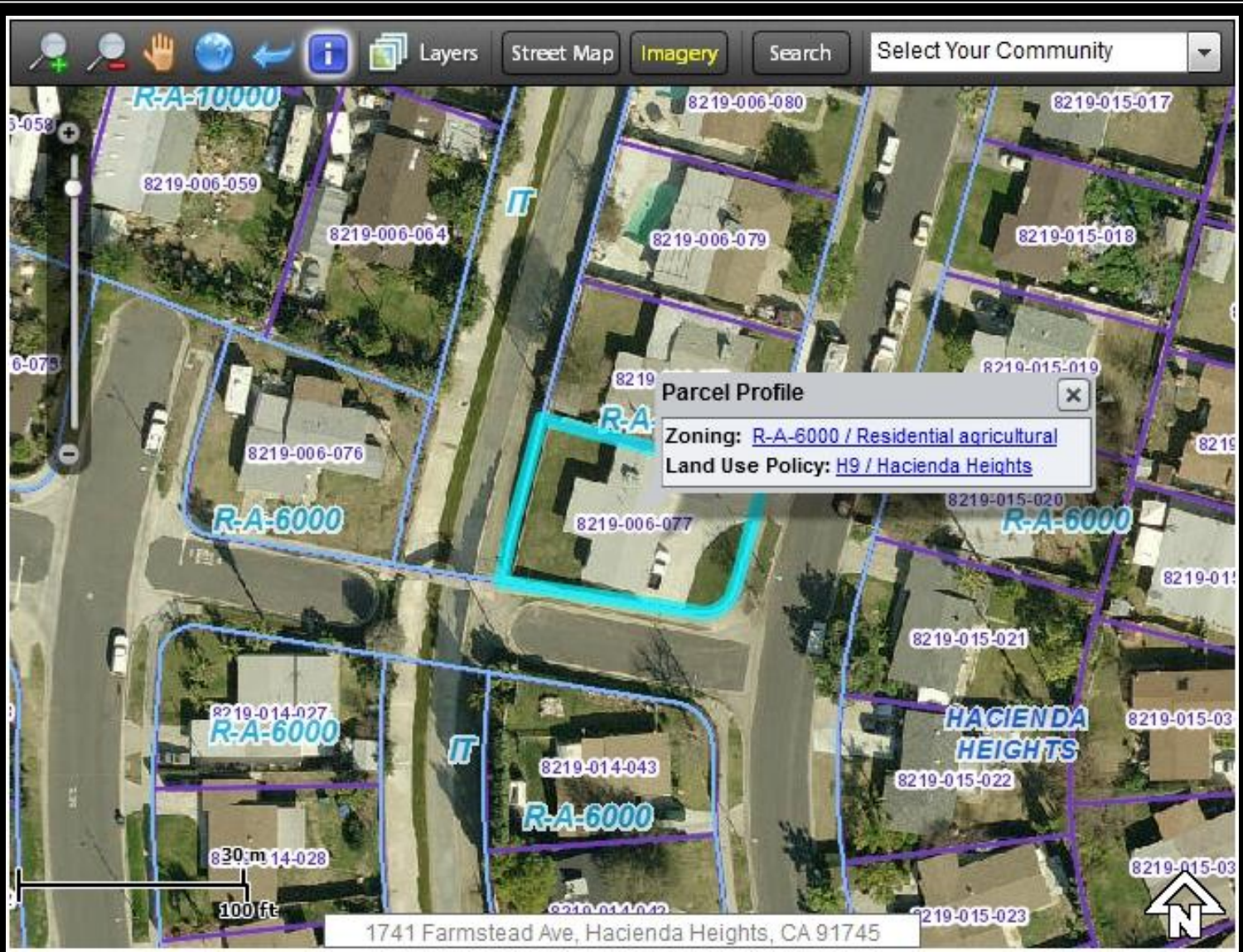
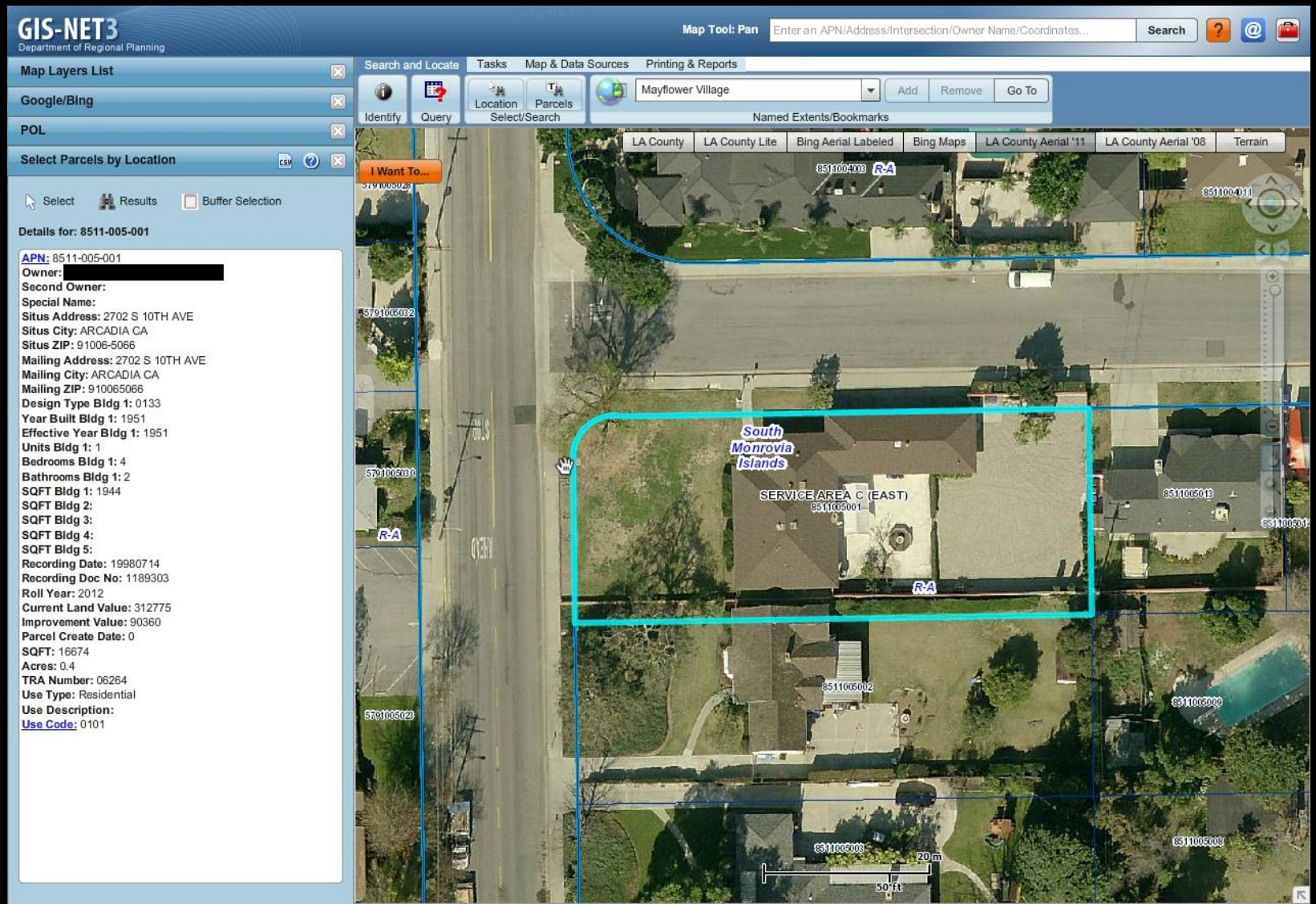
1 / 25
Pictometry © 2000-2012
Denley St
Farmstead Ave
Garo St
Three Palms St
Roswell Ave
60
bing
Terms of Use
Perimeter Distance: 703.69 Feet Shape Area: 25109.04 Square Feet
Date: 03/09/2011 | Level: Neighborhood | Scale: 100%


GIS-NET3
Department of Regional Planning
Map Tool: Pan
Enter an APN/Address/Intersection/Owner Name/Coordinates...
Search
Map Layers List
Google/Bing
POL
Search and Locate
Tasks
Map & Data Sources
Printing & Reports
Map Layers
Google/Bing
POL
1. Click the button
2. Click on the map to view the imagery fo
Activate Pictometry Online (POL)
Pictometry Online - Windows Internet Explorer
http://pol.pictometry.com/en-us/app/default.php?lat=33.974640&lon=-118.234501
Google
Favorites
GIS-NET3 Public
GIS-NET3
GIS Section Blog
GIS-NET (Theme Edition)
LA County GIS Viewer
PAIS - Silverlight
Pictometry Online
Page
Safety
Tools
Pictometry Online 1.10.1
Welcome Lariac Guest | Coverage | Logout
Source:
Address
Enter search criteria
Preferences
Feedback
Help
Workspace
Layers
Address Points
Building Outlines (2008)
CSD Subarea
City Boundaries
Community Standards D
Environmentally Sensitiv
Land Types
Land Use Policy
Parcels (Cached)
Parcels (Streamed)
Points of Interest
SUBDIVISION_LINK_TES
Selections
East Florence Avenue
Alameda Street
Pictometry
Map
Auto
1 / 14
N
W
E
S
Saturn Ave
Wilson Ave
S Alameda St
Albany St
Marbrisa Ave
E Florence Ave
E 74th St
Roseberry Ave
Terms of Use
Terrain
C-3
R-2
Date: 03/08/2011 | Level: Neighborhood | Scale: 100%
Internet | Protected Mode: On
100%

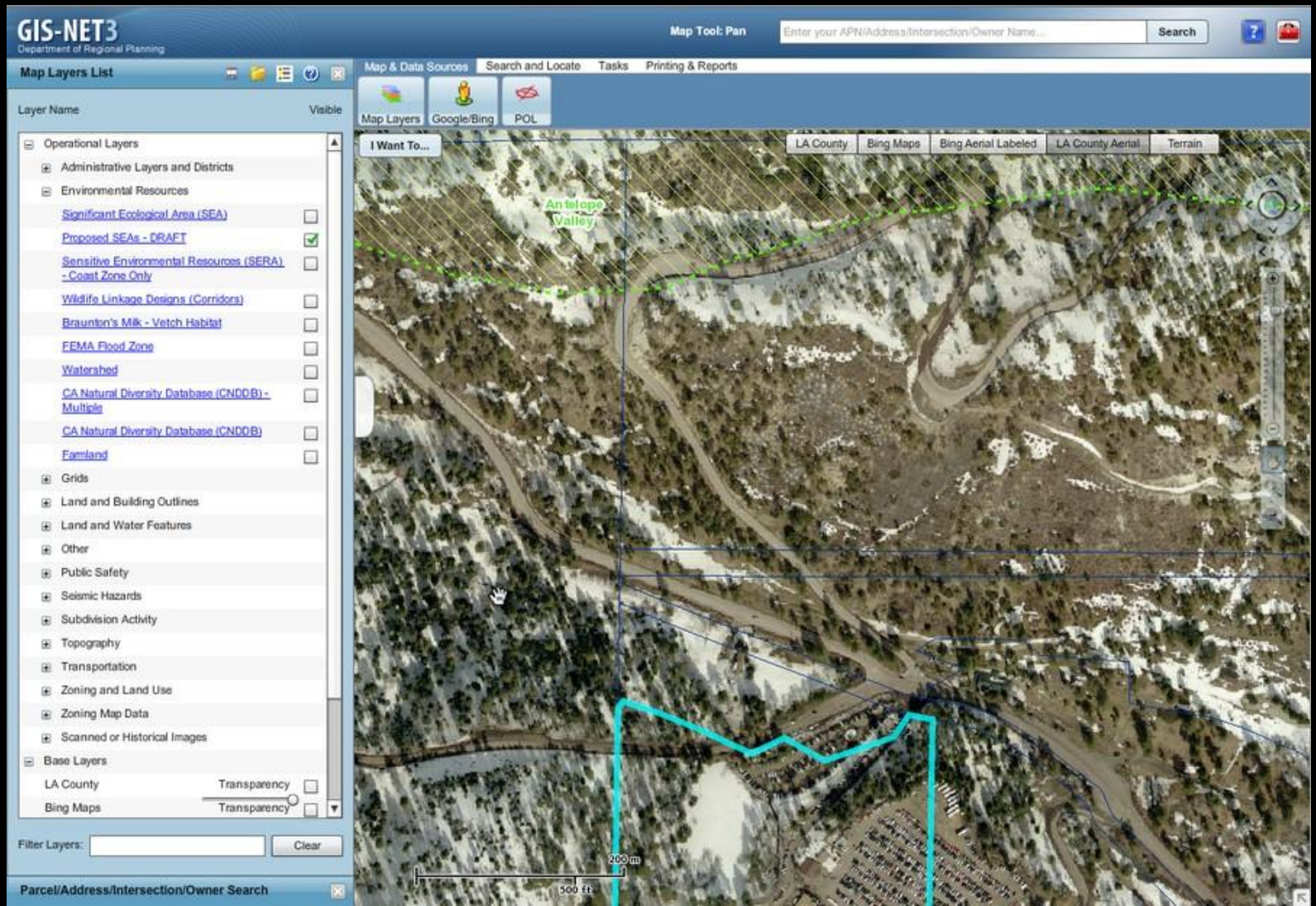
Imagery Integrated into Everything

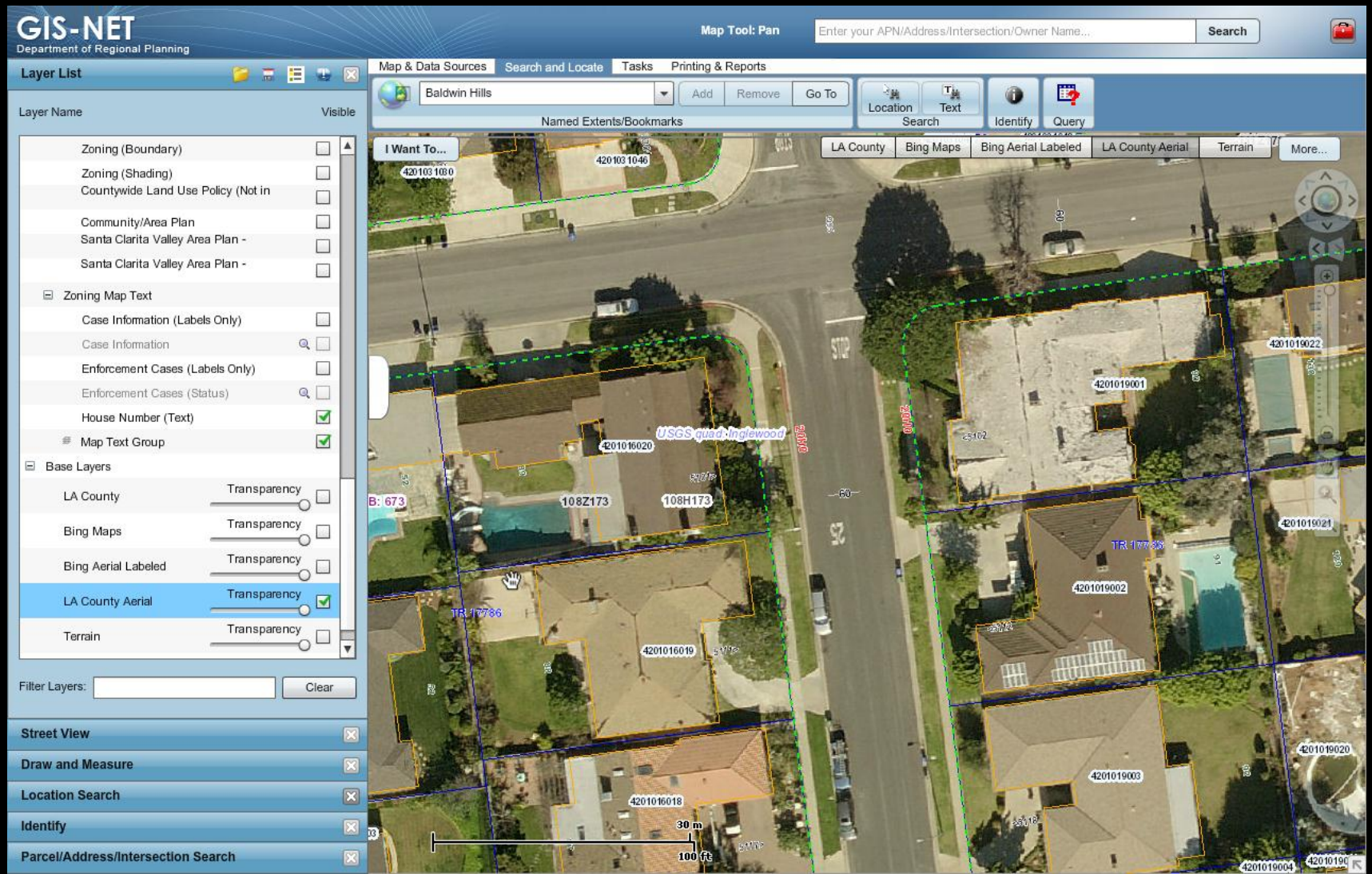


Our GIS Web Mapping Applications



Our Front Counter - Yesterday


GIS-NET3
Department of Regional Planning
Map Tool: Pan
Enter your APN/Address/Intersection/Owner Name...
Search
Map Layers List
Layer Name
Visible
Operational Layers
Administrative Layers and Districts
Environmental Resources
Significant Ecological Area (SEA)
Proposed SEAs - DRAFT
Sensitive Environmental Resources (SERA) - Coast Zone Only
Wildlife Linkage Designs (Corridors)
Braunton's Milk - Vetch Habitat
FEMA Flood Zone
Watershed
CA Natural Diversity Database (CNDDB) - Multiple
CA Natural Diversity Database (CNDDB)
Farmland
Grids
Land and Building Outlines
Land and Water Features
Other
Public Safety
Seismic Hazards
Subdivision Activity
Topography
Transportation
Zoning and Land Use
Zoning Map Data
Scanned or Historical Images
Base Layers
LA County
Transparency
Bing Maps
Transparency
Filter Layers:
Clear
Parcel/Address/Intersection/Owner Search
Map & Data Sources
Search and Locate
Tasks
Printing & Reports
Map Layers
Google/Bing
POL
I Want To...
LA County
Bing Maps
Bing Aerial Labeled
LA County Aerial
Terrain
Antelope Valley
200 m
500 ft


GIS-NET
Department of Regional Planning
Map Tool: Pan
Enter your APN/Address/Intersection/Owner Name...
Search
Layer List
Map & Data Sources
Search and Locate
Tasks
Printing & Reports
Baldwin Hills
Add
Remove
Go To
Named Extents/Bookmarks
Location
Text
Search
Identify
Query
I Want To...
LA County
Bing Maps
Bing Aerial Labeled
LA County Aerial
Terrain
More...
Layer Name
Visible
Zoning (Boundary)
Zoning (Shading)
Countywide Land Use Policy (Not in
Community/Area Plan
Santa Clarita Valley Area Plan -
Santa Clarita Valley Area Plan -
Zoning Map Text
Case Information (Labels Only)
Case Information
Enforcement Cases (Labels Only)
Enforcement Cases (Status)
House Number (Text)
Map Text Group
Base Layers
LA County
Bing Maps
Bing Aerial Labeled
LA County Aerial
Terrain
Transparency
Filter Layers:
Clear
Street View
Draw and Measure
Location Search
Identify
Parcel/Address/Intersection Search
USGS quad: Inglewood
108Z173
108H173
TR 17786
TR 17735
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4201016019
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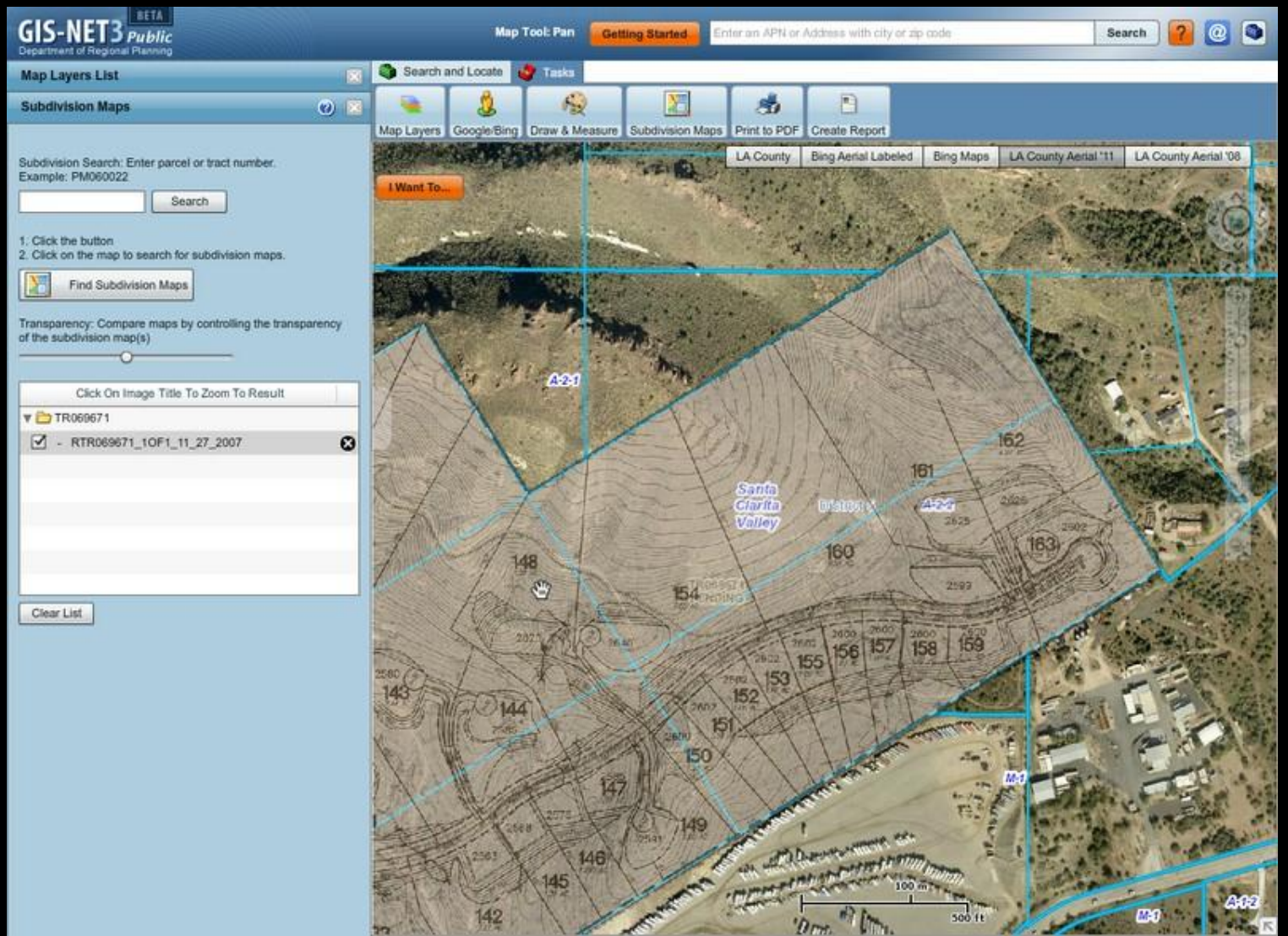
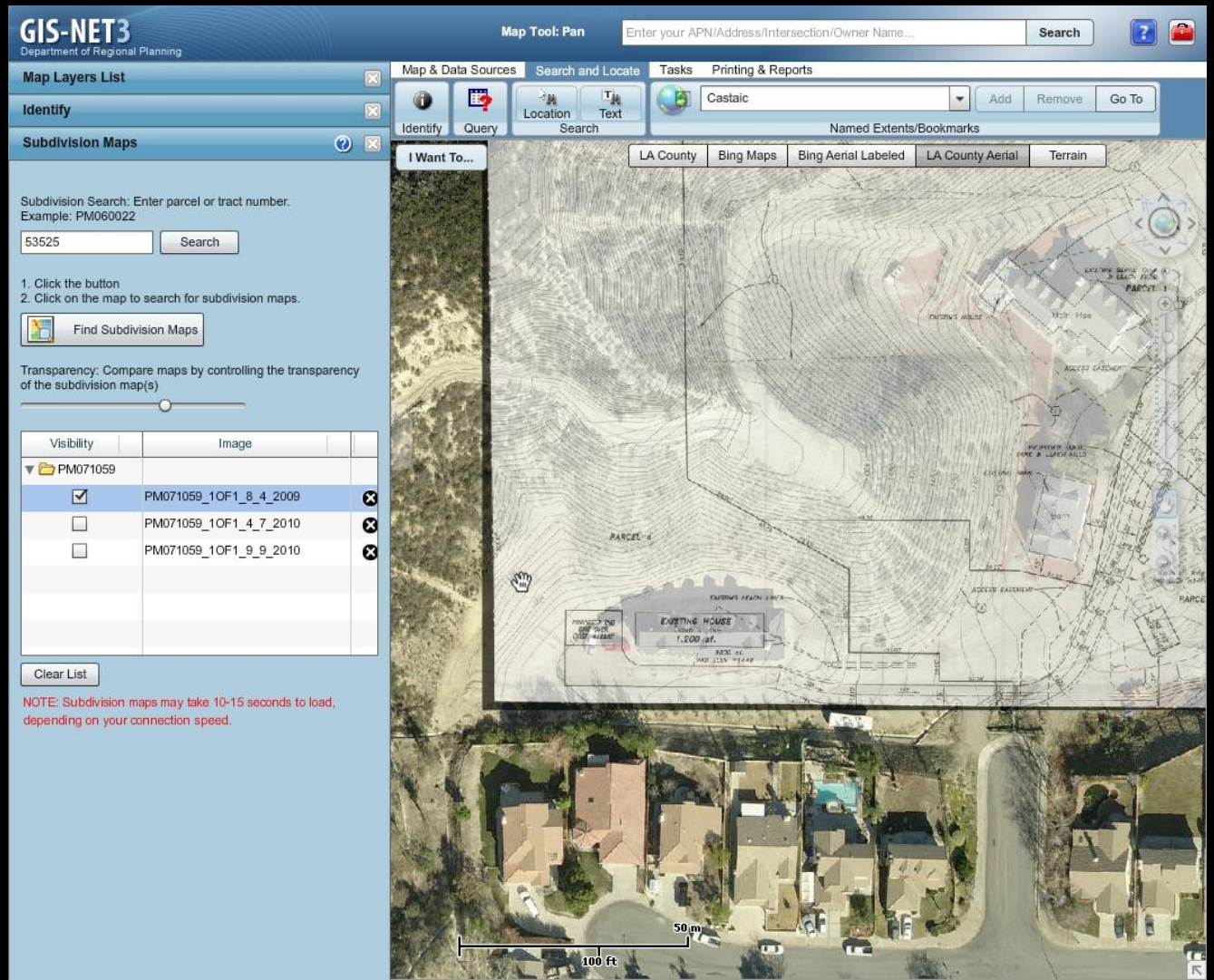
4201019020
30 m
100 ft

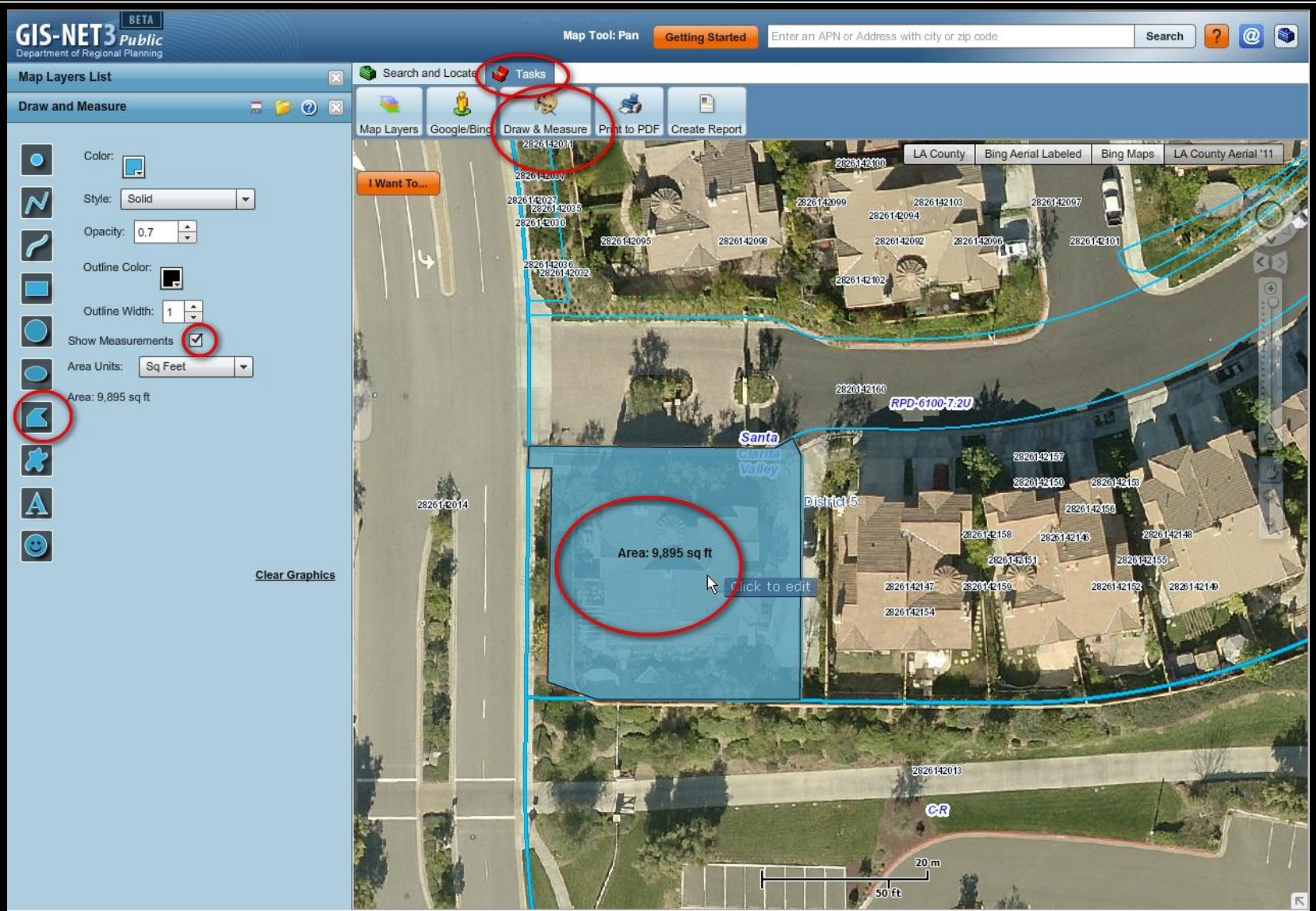
Subdivision Maps Overlaid

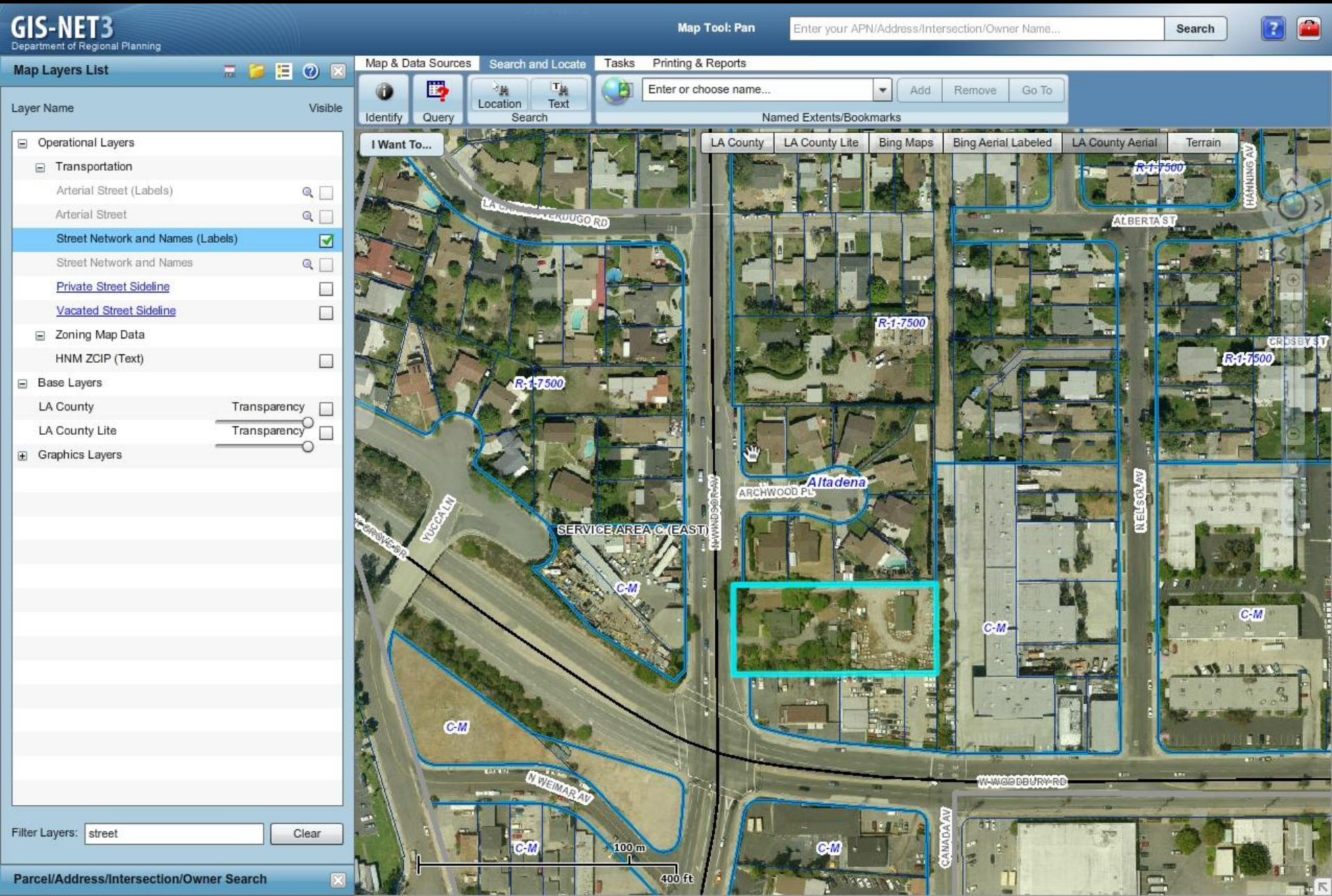


Subdivision Maps Overlaid



Measuring


GIS-NET3 BETA Public
Department of Regional Planning
Map Tool: Pan
Getting Started
Enter an APN or Address with city or zip code
Search
Map Layers List
Draw and Measure
Search and Locate
Tasks
Map Layers
Google/Bing
Draw & Measure
Print to PDF
Create Report
I Want To...
LA County
Bing Aerial Labeled
Bing Maps
LA County Aerial '11
Color:
Style: Solid
Opacity: 0.7
Outline Color:
Outline Width: 1
Show Measurements
Area Units: Sq Feet
Area: 9,895 sq ft
Clear Graphics
Area: 9,895 sq ft
Click to edit
RPD-6100-7:2U
Santa Clarita Valley
District 5
C-R
20 m
50 ft


GIS-NET3
Department of Regional Planning
Map Tool: Pan
Enter your APN/Address/Intersection/Owner Name...
Search
Map Layers List
Map & Data Sources
Search and Locate
Tasks
Printing & Reports
Identify
Query
Location
Text
Search
Enter or choose name...
Add
Remove
Go To
Named Extents/Bookmarks
I Want To...
LA County
LA County Lite
Bing Maps
Bing Aerial Labeled
LA County Aerial
Terrain
Layer Name
Visible
Operational Layers
Transportation
Arterial Street (Labels)
Arterial Street
Street Network and Names (Labels)
Street Network and Names
Private Street Sideline
Vacated Street Sideline
Zoning Map Data
HNM ZCIP (Text)
Base Layers
LA County
Transparency
LA County Lite
Transparency
Graphics Layers
Filter Layers:
street
Clear
Parcel/Address/Intersection/Owner Search
R-1-7500
C-M
SERVICE AREA C (EAST)
Altadena
ARCHWOOD PL
ALBERTA ST
CROSBY ST
HANNING AV
NELSON AV
WINDSOR AV
YUCCA LN
N WEIMAR AV
W WADDINGTON RD
CANADA AV
100 m
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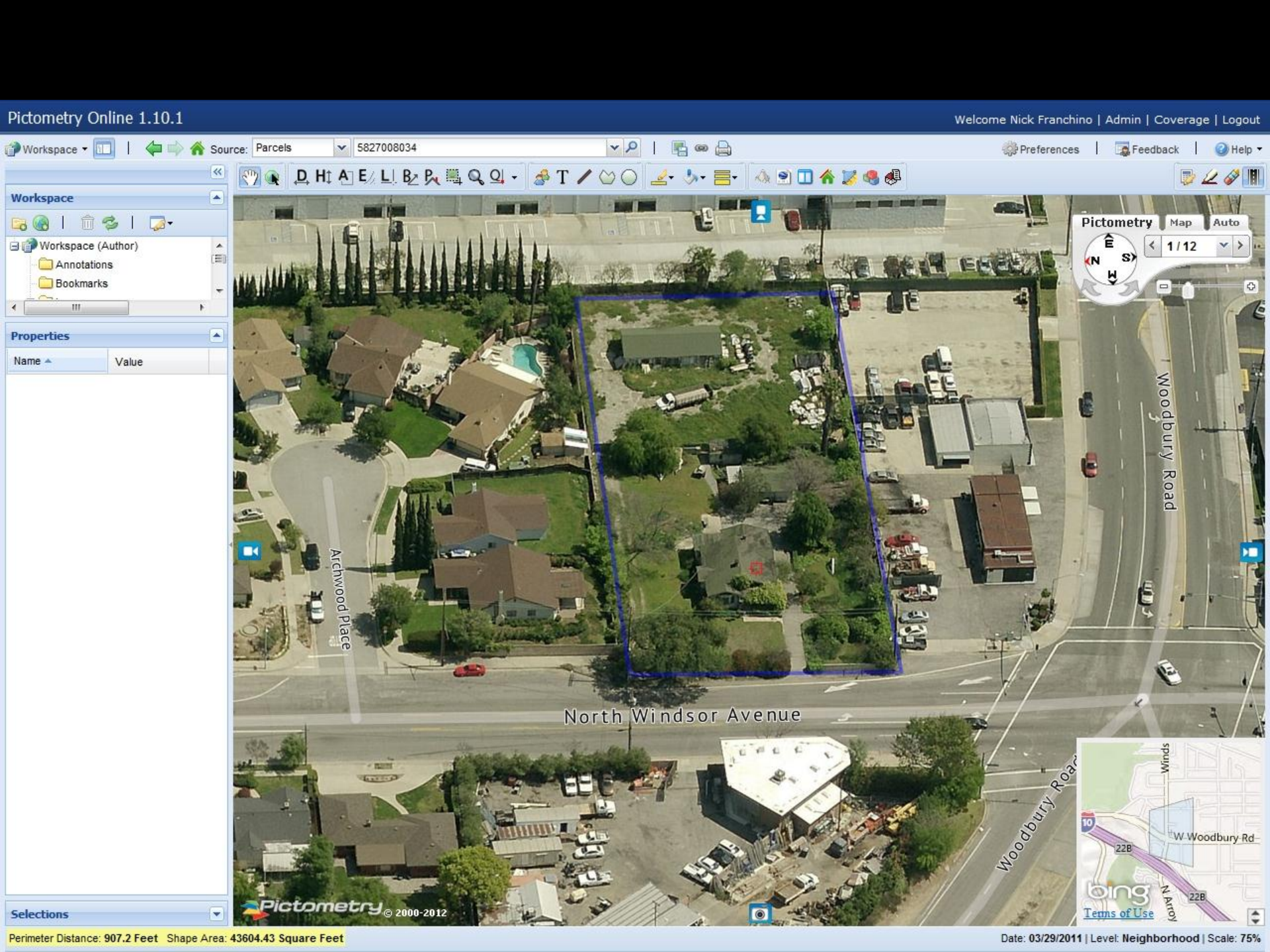
Pictometry Online 1.10.1
Welcome Nick Franchino | Admin | Coverage | Logout
Workspace
Source: Parcels
5827008034
Preferences
Feedback
Help
Workspace
Workspace (Author)
Annotations
Bookmarks
Properties
Name
Value
Selections
Pictometry
Map
Auto
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S
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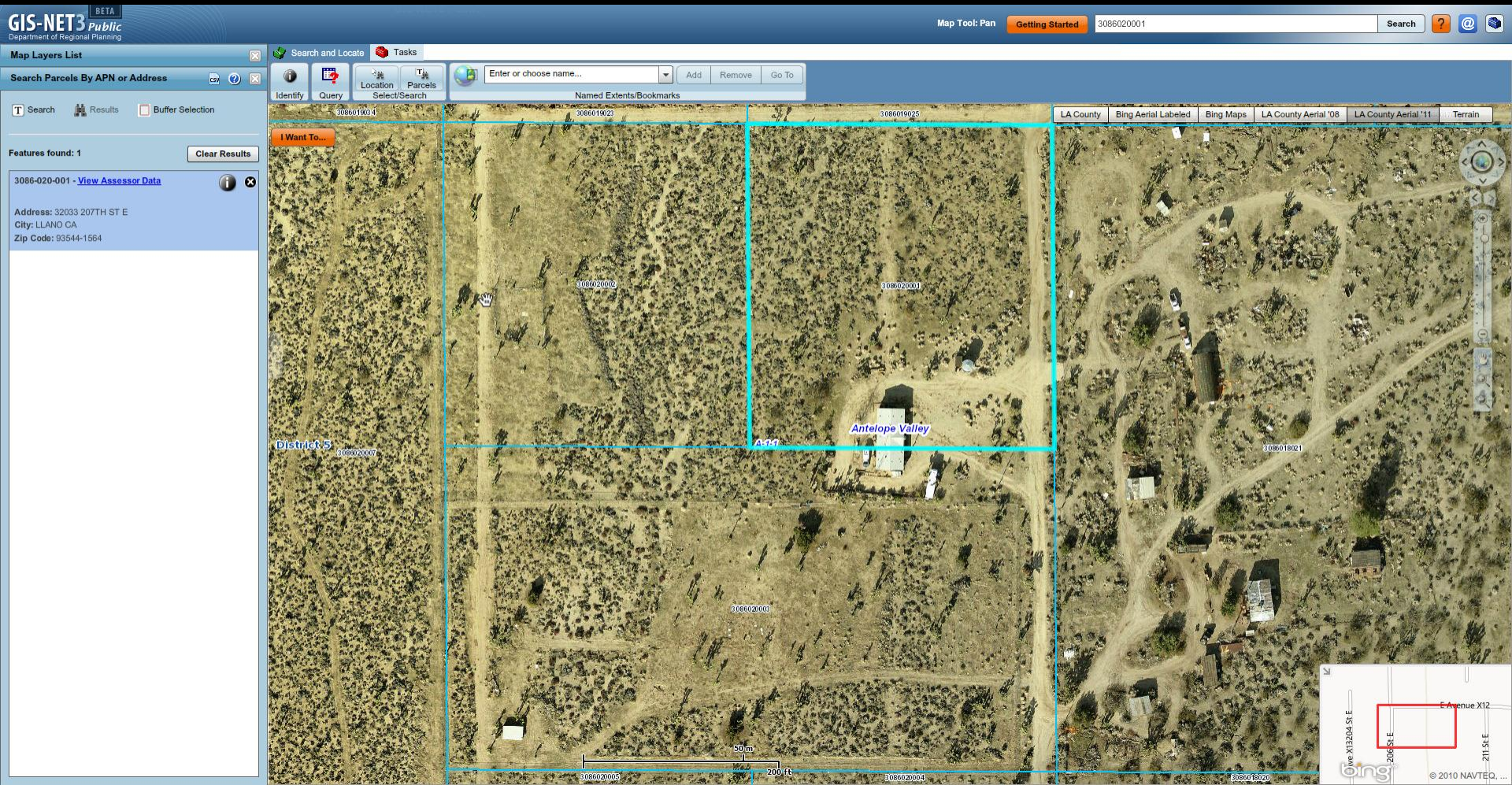
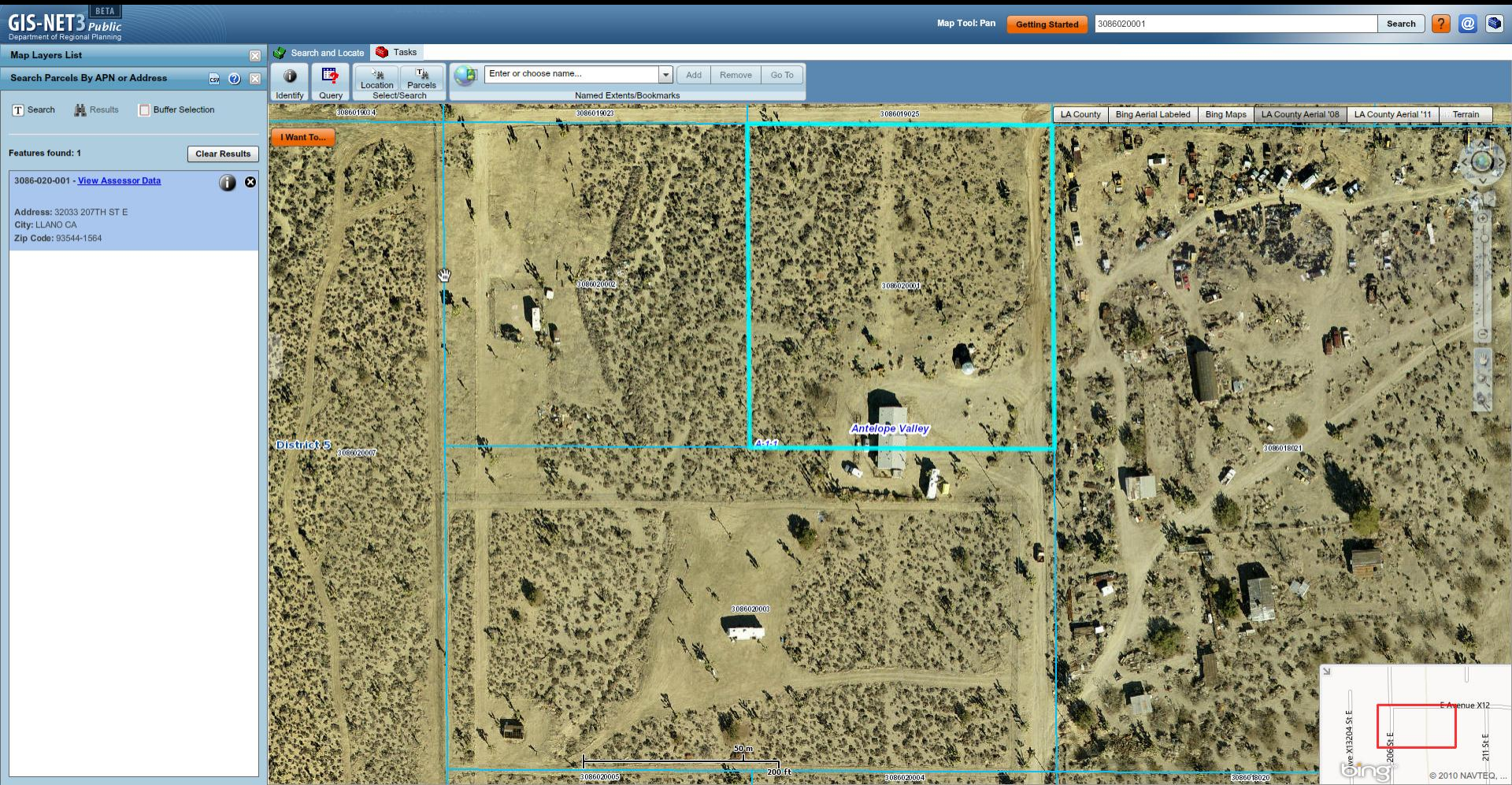
Woodbury Road
Archwood Place
North Windsor Avenue
Woodbury Road
W Woodbury Rd
22B
22B
N Arroy
bing
Terms of Use
Pictometry © 2000-2012
Perimeter Distance: 907.2 Feet Shape Area: 43604.43 Square Feet
Date: 03/29/2011 | Level: Neighborhood | Scale: 75%

Imagery Can Help Spot Errors in Other Data



Imagery Can Help Spot Errors in Other Data



3-D GIS Projects

Marina Del Rey

(optional work)

Line-of-sight

3-D GIS Projects

- Shadow/time series
  - We were able to model building shadows throughout the course of a day

Shadow Time Series

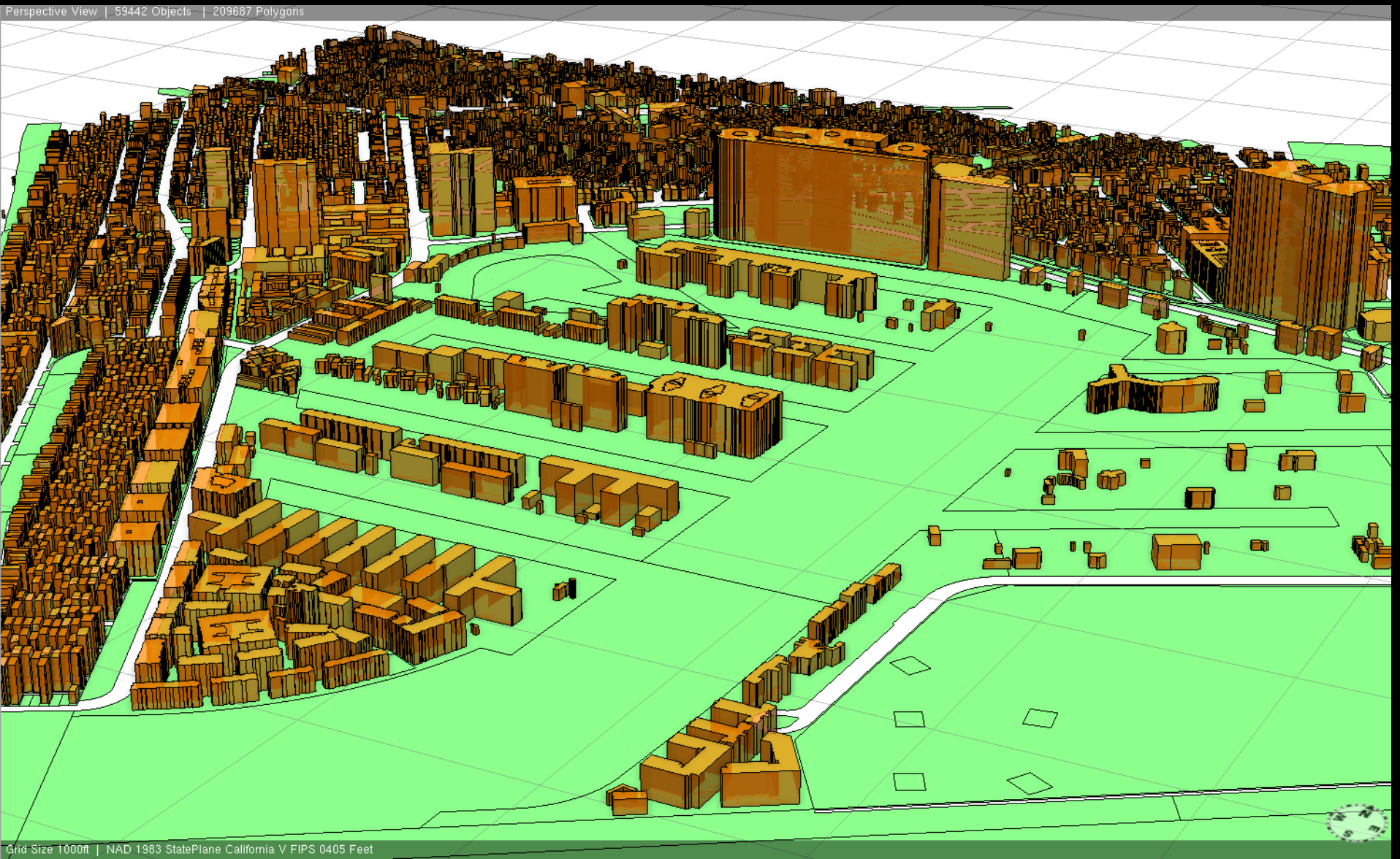
Shadow Time Series

Shadow Time Series

Shadow Time Series

Shadow Time Series

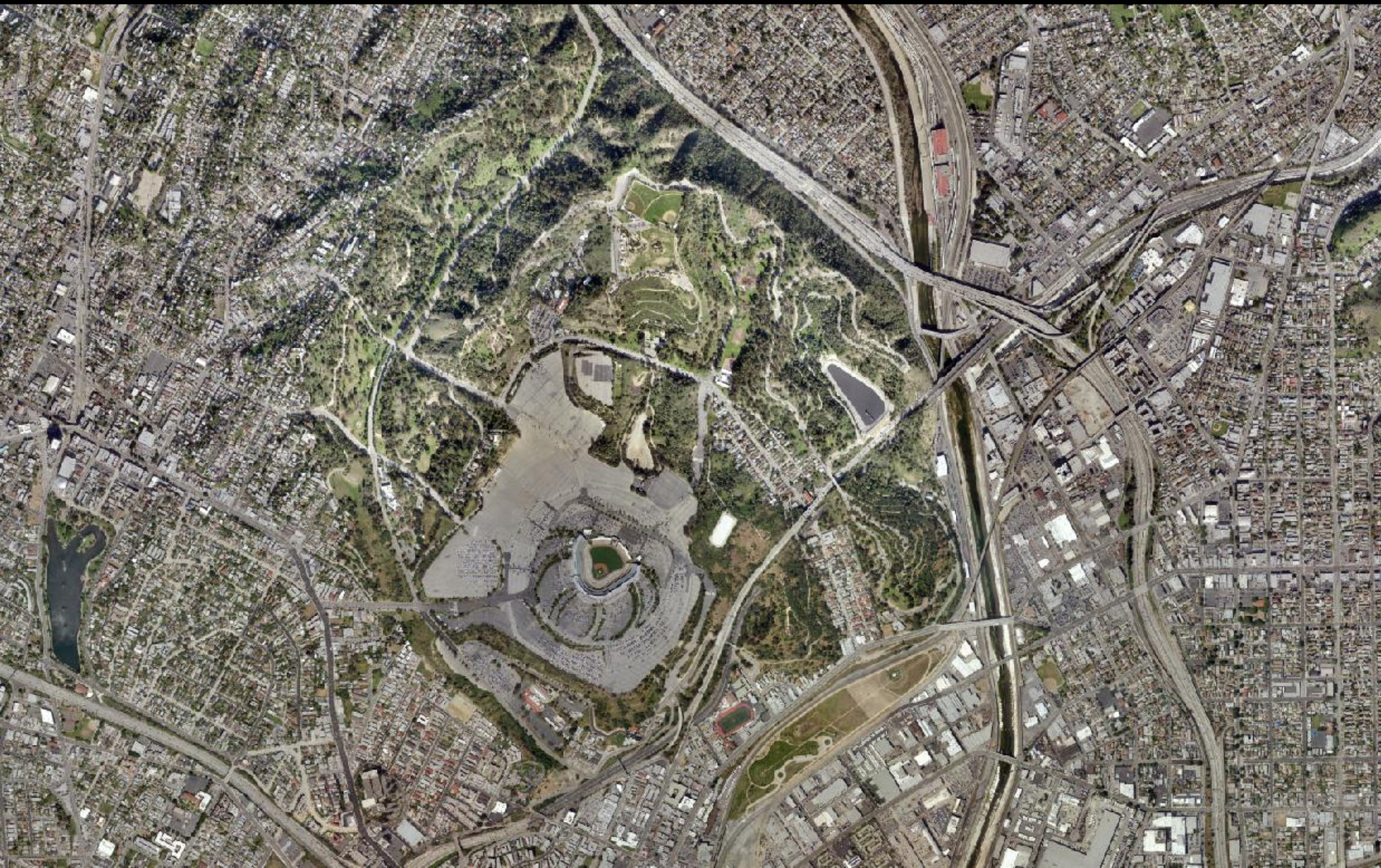
Our Buildings in 3D



Newest Esri Web Viewer

Wrap Up

- Imagery is integrated into everything we do
- Planners want to know what is on the ground
- Support the DA and County Counsel – they seem to like historical imagery
- The public gets access through our viewers – independent appraisers love it!
- We can see it in 2D and we are moving more to 3D

Questions?
http://planning.lacounty.gov/gis

Nick Franchino, GIS Manager
Los Angeles County Dept. of Regional Planning
nfranchino@planning.lacounty.gov